



Lunch 12:00 - 1:00PM	
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1:00 PM	<p>How the Past Can Haunt your Project - Survey Technologies for Cultural Resource Solutions</p> <p>Ann Broadwell and Lynn Kelley</p>	<p>RRR Design & Modeling with the FDOT Civil State Kit Part 1 of 2</p> <p>Mike Racca</p>	<p>ITS Communications Design</p> <p>Russell Allen</p>	<p>Plan Production - Cross Sections Sheets using FDOTSS4 & OpenRoads</p> <p>Christi Holmes</p>	<p>Right of Way Considerations in Design</p> <p>Jim Spalla</p>	<p>Civil 3D and Infraworks 360, So Happy Together!</p> <p>Oscar Castaneda</p>	<p>Project Management 101</p> <p>Bobby Bull</p>	<p>Implementing Complete Streets Projects</p> <p>Betsy Jeffers and Ricardo Gutierrez</p>
2:00 PM	<p>Part 107 Unmanned Aerial System (UAS) Requirements and Transportation Mapping Project Applications</p> <p>Mike Maluda</p>	<p>RRR Design & Modeling with the FDOT Civil State Kit Part 2 of 2</p> <p>Mike Racca</p>	<p>Ramp Signaling Design: Bridge Between Planning and Implementation</p> <p>Alex Zhu, Jillian Scholler, Jingcheng Wu</p>	<p>Plan Production - Civil Geometry & Civil Cells for 2D FDOTSS4 OpenRoads</p> <p>Vern Danforth</p>	<p>Updates to HCS and Level of Service</p> <p>Juan Mojica and Gary Sololow</p>	<p>New Single-Slope and Retrofit Traffic Railings</p> <p>Steven Nolan and Charles Boyd</p>	<p>Scope and Staff Hours Overview</p> <p>Bobby Bull</p>	<p>Why Roundabouts on the State Highway System?</p> <p>Paul Hiers and Kevin Kuhlrow</p>
3:00 PM	<p>UAS to Support Design Surveying Requirements</p> <p>Mike Zoltek</p>	<p>Signalization Design using the FDOT Civil 3D State Kit</p> <p>Randy Roberts</p>	<p>Wrong Way Driving Countermeasures</p> <p>Raj Ponnaluri</p>	<p>FDOT Automated Quantities (Part 1)</p> <p>Kandi Daffin</p>	<p>Freeway Typical Section Analysis using the Highway Safety Manual</p> <p>Jeremy Fletcher</p>	<p>Bridge 3D Modeling for Roadway and Bridge Engineers</p> <p>Raul Amaya</p>	<p>Plans Reviewer Training</p> <p>Rob Quigley</p>	<p>FDOT Drainage Lessons Learned</p> <p>Carl Spirio, James Poole, Sergio Figueroa, and Erin Yao</p>
4:00 PM	<p>Brief QC Checks for Aerial Photogrammetry Products</p> <p>Maurice Elliot</p>	<p>FDOT Signs Application for Civil 3D</p> <p>Randy Roberts</p>	<p>Intersection Control Evaluation Policy and Procedures</p> <p>FHWA and Alan El-Urfali</p>	<p>FDOT Automated Quantities (Part 2)</p> <p>Kandi Daffin</p>	<p>Long Range Estimates (LRE) Training for Project Managers</p> <p>Melissa Hollis</p>	<p>The Use of Technology to Improve Design and Communication</p> <p>Brian Toombs</p>	<p>ADA - Resurfacing and Curb Ramps: Alterations vs. Maintenance</p> <p>Dean Perkins</p>	<p>Lane Departure Countermeasures</p> <p>Gevin McDaniel and Ed Cashman</p>

8:00 AM	FDOTSS4 Design Survey Complex Terrain Models for 3D Design John Hazlip	Bridge Modeling: Using Scan to BIM to Develop Existing Bridge Models Steve Stanfill	Asphalt Milling Machine Presentation Richard Hewitt	Collaborative Work Environment in FDOTSS4 OpenRoads Mike Donahue	Get to Know Them By Name: Twenty or More Common Roadside Trees Jeff Caster and Elisabeth Hassett	Using Bridge 3D Models after the Design Process Raul Amaya	Standard Plans Implementation Derwood Sheppard and Gevin McDaniel	Roadside Safety using RSAP (Roadside Safety Analysis Program) Jeremy Fletcher and Brad Bradley
9:00 AM	FDOTSS4 Design Survey Deliverables for 3D Modeling John Hazlip	Optimizing Overlay Projects with LIDAR Data David Fagerman	Design Vehicle Detection System for Better Data Accuracy Jillian Scholler and Jingcheng Wu	Retention Pond Design & 3D Models in FDOTSS4 OpenRoads Christi Holmes	Florida Strategic Highway Safety Plan Joseph Santos	Cellular Concrete(50lbs/ft3) pervious and non-pervious Nico Suttmoller	ADA and Public Rights of Way Dean Perkins	FDOT Design Manual Paul Hiers and Mary Jane Hayden

Networking Break 9:50 - 10:15AM

10:15 AM	<div>Fly Your Data Away</div> <div>Oscar Castaneda</div>	<div>Grading in Civil 3D with Feature Lines</div> <div>Brian Morse</div>	<div>AMG Dozer and Grader Presentation</div> <div>Richard Hewitt</div>	<div>SURVRD for Existing Feature Models file in FDOTSS4 OpenRoads</div> <div>Chris Thorp</div>	<div>FHWA Major Project Requirements</div> <div>Greg Davis and Diane Flowers</div>	<div>Design of Drilled Shaft Foundations for FDOT Projects</div> <div>Larry Jones</div>	<div>Errors and Omissions (E&O) by Professional Engineers on Department Contracts</div> <div>Siddhartha Kamath</div>	<div>Innovative Intersection Lighting Design For Pedestrians</div> <div>Justin Reck, Richard Endrzejewski, Danny Hendrickson, and Jennifer McKinney</div>
11:15 AM	<div>Design Survey Data Collection & Processing for 3D Design</div> <div>Gary Roche, Ted Knaak, Matt LaLuzerne, Gene Howerton</div>	<div>Framework for Multi-Resolution Analyses of Advanced Traffic Management Strategies</div> <div>Mohammed Hadi, Thomas Hill, and Vladimir Majano</div>	<div>Surfaces: When to Use Drone Photos vs Drone Based LiDAR to Capture Data</div> <div>David Fagerman</div>	<div>Applying Superelevation Shoulder Rollover in FDOTSS4 OpenRoads</div> <div>Vern Danforth</div>	<div>Bio-Activated Media (BAM)</div> <div>Marty Wanielista and Carl Spirio</div>	<div>Drilled Shaft Construction & Inspection for FDOT Projects</div> <div>Rodrigo Herrera</div>	<div>Implementing Complete Streets Projects</div> <div>Betsy Jeffers and Ricardo Gutierrez</div>	<div>Safety Toolbox for Locals</div> <div>Lorraine Moyle and Joseph Santos</div>

				Diverging Diamond			Examples of Roundabouts	
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1:25 PM	<div>Survey123 & Collector for ArcGIS, A Powerful Combination</div> <div>Rebecca Barber</div>	<div>Civil 3D and Roundabout Design</div> <div>Edmundo Herrera</div>	<div>Risk Management Zone</div> <div>Greg Davis, Tim Brock, Rob Quigley, and Frank Chupka</div>	<div>Diverging Diamond Intersection Design & Modeling Workflow in FDOTSS4 OpenRoads</div> <div>Reid Shankweiler</div>	<div>School Zones</div> <div>Alan El-Urfali and Trey Tillander</div>	<div>FDOT Statewide Soil Boring GIS Database</div> <div>Larry Jones</div>	<div>Examples of Roundabouts of the State Highway System</div> <div>Paul Hiers, Jeff Cicerello, and Walt Breuggeman</div>	<div>Designing for Express Lane Networks</div> <div>Jennifer Fortunas, Turnpike, and Karen Byram</div>
2:25 PM	<div>ROADS, CIM & GIS – The Perfect Triangle</div> <div>Ana Nowak</div>	<div>Creating a Proposed Design Profile in Civil 3D</div> <div>Brian Morse</div>	<div>Proprietary Product Approval and Tracking</div> <div>Karen Byram</div>	<div>RRR Design & Modeling with OpenRoads</div> <div>Jimmie Prow</div>	<div>Innovation in the Landscape (A Bolder NEW Vision)</div> <div>Michael Kidde</div>	<div>Construction & RRR (Retrofit) Criteria for Lighting</div> <div>Humberto Castillero and Ed Cashman</div>	<div>Design Philosophies and Associated Details for Steel Box Girder Bridges - Relevant Practices and Approaches</div> <div>Gautom Dey</div>	<div>Traffic Engineering for Optimal TSP Success</div> <div>Mark Yedlin</div>

Networking Break 3:15 - 3:30 PM

3:30 PM	Lightning Talk of Top GIS Applications in FDOT Chelsea Lincoln	Civil 3D and Hydraulics/Hydrology Edmundo Herrera	Innovative Products List Successes and Implementing Innovative Solutions Karen Byram	Comprehensive Template Design in SS4 (Part 1) - General Templates Jimmie Prow	Automated Traffic Signal Performance Measures - the Fitbit® for Your Signal System Susan Langdon	FRP Reinforced Concrete Design Rick Vallier	Quality Assurance/Quality Control Rob Quigley	Florida Greenbook Mary Anne Koos
4:30 PM	3D Surface Modeling Using Bentley Context Capture Maurice Elliot	Conceptual Design to Detailed Design Edmundo Herrera	Safe and Accessible Pedestrian Facilities Inventory Model (SAPFIM) Dean Perkins	Comprehensive Template Design in SS4 (Part 2) - Variable Templates Jimmie Prow	TransFuture - Innovate the Future of Transportation Santanu Roy	FDOT Design Manual Paul Hiers and Mary Jane Hayden	Mid-Block Crosswalks Trey Tillander and Alan El-Urfali	Autonomous and Connected Vehicles Ed Hutchinson

8:00 AM	Setting Benchmarks Using the FPRN and GNSS George Massey	Civil 3D Surfaces - Editing, Copying, Pasting, Combining Surfaces Doug Medley	Asphalt Paver Presentation Richard Hewitt	Project Review - Tablet in the Field with OpenRoads Navigator Terry Walters	D2 Best Practice - Financial Scope Modification Review Process Chris Sweitzer	Application of Partially Prestressing in Crack Control of Reinforced Concrete Structures Teddy Theryo	Introduction to Basis of Estimates Melissa Hollis	Roundabout Lessons Learned Paul Hiers, Steven Buck, and Brian Toombs
9:00 AM	Introduction to the EPIC Application Justin Evers and James Griffith	Civil 3D Cross Sections - Cut & Fill Volumes - Material Lists Doug Medley	Pond Siting Process During PD&E Georgi Celusnek and Victor Muchuruza	Project Review - VR Headset with LumenRT Terry Walters	Unsignalized Intersection Improvement Guide (UIIG) FHWA and Alan El-Urfali	FDOT Retaining Wall Policy Changes = Greater Acceptance of Segmental Block Wall Systems Scott Vollmer	Basis of Estimates and Pay Item Updates Melissa Hollis	Express Lanes Phased Implementation - Lesson's Learned Will Suero, Vanita Saini, and Cory Beard
10:00 AM	Mainstreaming TSM&O Raj Ponnaluri	Virtual Reality and Visualization in Transportation Jeff Bartels and Steve Stanfill	Concrete Paver Presentation Richard Hewitt	Quality Control Checklist & Tools for Reviewing 3D Engineered Models Vern Danforth	Determining Context Classification for Complete Streets DeWayne Carver	Roadside Soil; Dig It? Jeff Caster	Risk Assessment/Analysis Tools for Project Managers Greg Davis, Tim Brock, Rob Quigley, and Frank Chupka	Stormwater Management Strategies Carl Spirio, Daniel Lauricello, James Poole, and Erin Yao
11:00 AM	Systemic Safety Analysis Chad Polk and Joe Santos	Tips and Tricks with AutoCAD and Civil 3D Jeff Bartels	Alternative Intersections: A focus on at-grade U-turn based designs FHWA and Alan El-Urfali	FDOT SS4 Drainage VBA's Chris Thorp	Signalized Intersection Design for Safe and Efficient Operations Pete Yauch	Autonomous and Connected Vehicles Ed Hutchinson	21st/22nd Street Improvement Project Mary Lou Godfrey	Overlapping PD&E and Design Phases Victor Muchuruza

Turn in attendance form, **receive** PDH certificate